Index of Claims

| Application No. | Applicant(s)   |  |
|-----------------|----------------|--|
| 09/815,312      | CIRULLI ET AL. |  |
| Examiner        | Art Unit       |  |
| Firmin Backer   | 3621           |  |

| Rejected | ı | (Through numeral)<br>Cancelled |
|----------|---|--------------------------------|
| Allowed  | + | Restricted                     |

| N | Non-Elected  |
|---|--------------|
| - | Interference |

| A | Appeal   |
|---|----------|
| o | Objected |

| Cla      | aim      | Date      |              |                 |          |  | Cla                                 | Claim Date   |                                     |           |          |          |                |                   |          | CI      | aim          | Date     |          |                |              |            |                 |          |   |          |                 |          |          |   |
|----------|----------|-----------|--------------|-----------------|----------|--|-------------------------------------|--------------|-------------------------------------|-----------|----------|----------|----------------|-------------------|----------|---------|--------------|----------|----------|----------------|--------------|------------|-----------------|----------|---|----------|-----------------|----------|----------|---|
| Final    | Original | 2/14/05   |              |                 |          |  |                                     |              |                                     |           | Final    | Original |                |                   |          |         |              |          |          |                | Final        | Original   |                 |          |   |          |                 |          |          |   |
|          | 1        | V         |              | t               |          |  | $\vdash$                            | ┢            | Н                                   | $\vdash$  |          | 51       | 一              | $\Box$            | $\dashv$ | $\top$  | T            | †        | T        | Н              |              | 101        |                 | $\top$   | 1   | Н        | H               | 寸        | $\dashv$ | _ |
|          | 2        | i         | T            |                 | <u> </u> |  | 1                                   | T            | $\vdash$                            |           |          | 52       | _              | $\vdash$          | $\top$   | 十       | +            | ✝        |          | П              |              | 102        | $\vdash$        | ╈        | T   | T        | Н               | 寸        | _        | _ |
|          | 3        | π         | Ī            |                 |          |  |                                     | Γ            |                                     |           |          | 53       |                | П                 | $\top$   |         | Т            | T        | Г        | П              |              | 103        |                 | T        |   | Г        | $\Box$          | $\neg$   | $\neg$   | _ |
|          | 4        | П         |              |                 |          |  |                                     |              |                                     |           |          | 54       |                |                   |          | ┰       | T            |          |          | П              |              | 104        |                 | 1        |   |          | П               | コ        | T        |   |
|          | 5        | T         |              |                 |          |  |                                     | L            |                                     |           |          | 55       |                |                   |          |         |              |          |          |                |              | 105        |                 |          |   |          |                 |          |          |   |
|          | 6        | L         |              |                 |          |  |                                     |              |                                     |           |          | 56       |                |                   |          |         |              |          |          |                |              | 106        |                 | I.,      | L   |          |                 |          |          |   |
|          | 7        | L         | L            | <u> </u>        |          | <u> </u>   | ┞-                                  | ↓_           | L                                   | Щ         | <u></u>  | 57       |                | $\sqcup \bot$     | 4        | $\perp$ | ┸            | 퇶        | _        | Ш              | <u></u>      | 107        |                 | 丄        | $oldsymbol{ol}}}}}}}}}}}}}}}}}$ | 匚        |                 | _        | 4        |   |
| <u> </u> | 8        | Щ.        | ╙            | ļ               | _        |  | ļ.,                                 | <u> </u>     | L                                   | Щ         |          | 58       |                | $\sqcup \bot$     | 4        | _       | ┸            | $\bot$   | _        | Ш              |              | 108        | $\perp$         | $\bot$   |   | _        |                 | _        | _        | _ |
|          | 9        | 4         | ļ            | <u> </u>        | _        | ┡  | ┢                                   |              | ⊢                                   | $\square$ |          | 59       | _              | $\vdash$          | 4        | _       | _            | 1        |          | Ш              |              | 109        | $\perp$         | <b>-</b> | ↓   | L        | Щ               | _        |          |   |
|          | 10       | H         | ⊬            | ₩               | <u> </u> | _  | ┝                                   | ┡            | ⊢                                   | Н         | -        | 60       | _              | $\vdash$          | +        | +       | ╀            | ╄        |          | Н              | <u> </u>     | 110        | $\vdash$        | +        | ↓_  | _        | $\dashv$        | -        | -        | _ |
| <u> </u> | 11       | +         | ₩            | ₩               | $\vdash$ | $\vdash$   | $\vdash$                            | $\vdash$     | $\vdash$                            | H         | $\vdash$ | 61       |                | $\vdash$          | +        | +       | +            | +-       | -        | $\vdash\vdash$ | <u> </u>     | 111        | $\vdash \vdash$ | +        | $\vdash$  | ├        | $\vdash \vdash$ | 4        |          | _ |
| -        | 12<br>13 | +         | $\vdash$     | $\vdash$        | ⊢        | $\vdash$   | $\vdash$                            | <del> </del> |                                     | $\vdash$  | -        | 62<br>63 | $\vdash$       | $\vdash$          | +        | +-      | +            | +-       | -        | H              | <u> </u>     | 112<br>113 | $\vdash$        | +        | +   | _        | $\vdash$        |          | +        | _ |
| $\vdash$ | 14       | +         | $\vdash$     | +-              | ┢╾       |  | -                                   | $\vdash$     | $\vdash$                            | $\vdash$  | -        | 64       | $\vdash$       | $\vdash$          | +        | +       | +            | +        | ├        | $\vdash\vdash$ |              | 113        | $\vdash$        | +        | $\vdash$  | $\vdash$ | $\vdash$        | $\dashv$ | +        | _ |
| <b>—</b> | 15       | +         | $\vdash$     | $\vdash$        | -        | $\vdash$   | $\vdash$                            |              | $\vdash$                            | H         | <b>—</b> | 65       | $\vdash$       | $\vdash$          | +        | +       | ╁            | +-       | $\vdash$ | Н              | $\vdash$     | 115        | +               | +        | +   | _        | $\dashv$        | ᅱ        | +        | _ |
| $\vdash$ | 16       | $\dagger$ | <del> </del> | $\vdash$        | $\vdash$ | ┢  | H                                   | -            | -                                   | $\vdash$  |          | 66       | $\vdash$       | $\vdash$          | 十        | ╁       | ╁            | +        | $\vdash$ | Н              | -            | 116        |                 | +        | ╁   |          | $\dashv$        | $\dashv$ |          | _ |
|          | 17       | $\dagger$ | t            | ╁┈              | ┢        | ╁  | ╁╌                                  | ╁            | Н                                   | Н         | <u> </u> | 67       |                | $\vdash$          | +        | +       | ╁            | +-       |          | Н              | <del> </del> | 117        | -               | +        | ╁   |          | H               | ┪        | $\dashv$ | - |
|          | 18       | H         | -            | $\vdash$        |          |  | 一                                   | $\vdash$     | _                                   | $\Box$    |          | 68       | $\vdash$       | $\vdash$          | +        | +       | +            | ┢        | $\vdash$ | H              | _            | 118        |                 | +        | ╁   |          | H               | _        | _        | - |
|          | 19       | IT        |              |                 |          |  | T                                   |              |                                     |           |          | 69       |                | $\vdash \uparrow$ | 十        | $\top$  | T            | $\top$   | <b>—</b> | Н              |              | 119        | $\vdash$        | $\top$   | $\vdash$  |          | $\neg$          | $\neg$   |          | _ |
|          | 20       | Ħ         |              | T               |          |  |                                     | T            |                                     |           |          | 70       |                | $\Box$            | 十        | $\top$  | 1            | $\top$   |          | Н              |              | 120        |                 | <b>†</b> | 1   | _        | $\Box$          |          |          | _ |
|          | 21       | Т         |              |                 |          |  |                                     | Ι            |                                     |           |          | 71       |                |                   | $\top$   | 1       | T            | T        |          | П              |              | 121        |                 | 1        | $\top$  |          |                 | 一        | 一        | _ |
|          | 22       | T         |              |                 |          |  |                                     |              |                                     |           |          | 72       |                |                   | 1        |         |              |          |          | П              |              | 122        |                 | 1        |   |          |                 | ヿ        | T        | _ |
|          | 23       |           |              |                 |          |  |                                     |              |                                     |           |          | 73       |                |                   |          |         |              |          |          |                |              | 123        |                 |          |   |          |                 |          |          |   |
|          | 24       | Ц         |              |                 |          |  |                                     |              | L                                   |           |          | 74       |                |                   | $\perp$  | $\perp$ |              |          |          |                |              | 124        |                 |          |   |          |                 |          |          |   |
|          | 25       | Ц,        | 尴            | ┖               | L        | _  | <u> </u>                            |              | L                                   |           |          | 75       |                |                   |          |         | $\perp$      |          |          | Ш              |              | 125        |                 | $\perp$  | L   |          |                 |          |          | _ |
|          | 26       | V         | ╙            | $oxed{igspace}$ | L_       | <u> </u>   | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ | _            | <u> </u>                            |           |          | 76       |                |                   | 4        | $\perp$ | _            | ┸        |          | Ш              |              | 126        |                 |          | 丄   | L        |                 |          |          | _ |
| <u> </u> | 27       | _         | _            | <u> </u>        | _        | ╙  | L                                   | <u> </u>     | ╙                                   |           |          | 77       |                |                   | _        | _       | _            | <b>.</b> |          | Ш              |              | 127        | $\perp$         | $\perp$  | _   |          | $\Box$          | _        |          |   |
| <u> </u> | 28       | _         | <b>├</b>     | ▙               | <u> </u> | <u> </u>   | ┡                                   | 1            | L                                   |           |          | 78       |                | $\vdash$          | $\perp$  | $\perp$ | +            | ╄        |          |                |              | 128        |                 | -        | ↓   | <u> </u> | Щ               | _        | _        | _ |
| <u> </u> | 29       |           | ⊢            | ↓               | <u> </u> | _  | <u> </u>                            | <u> </u>     | _                                   | _         |          | 79       |                | -                 | +        | +       | ╀            | ┿        |          | Н              |              | 129        | $\rightarrow$   | ┿        | ╄   | <u> </u> |                 | -        | $\perp$  | _ |
| <u> </u> | 30<br>31 | _         | ├            |                 | ⊢        | ⊢  | ├                                   | <u> </u>     |                                     |           |          | 80<br>81 |                | $\vdash$          | +        | -       | ┿            | ╄        | ┞        | Н              | -            | 130<br>131 |                 | +        | ╀   |          | $\dashv$        |          | -        | _ |
| $\vdash$ | 32       | _         | ╀            |                 | ├        | -  | ╁─                                  |              |                                     | $\vdash$  |          | 82       | -              |                   | +        | ╁       | ┿            | ┿        | -        | Н              | -            | 132        |                 | +        | ╁   |          | -               |          | +        | _ |
|          | 33       | _         | $\vdash$     | -               | ⊢        | $\vdash$   | $\vdash$                            | ⊢            | -                                   | $\vdash$  |          | 83       |                | $\vdash$          | +        | +       | ╁            | ╁        |          | $\vdash$       |              | 133        |                 | ╁        | ╁   | $\vdash$ | $\dashv$        | $\dashv$ |          | _ |
| <b>—</b> | 34       | $\vdash$  | $\vdash$     | $\vdash$        | $\vdash$ | $\vdash$   | $\vdash$                            | $\vdash$     | $\vdash$                            | $\dashv$  | <b>—</b> | 84       | $\vdash$       | $\dashv$          | +        | +-      | +            | +        |          | H              | <b></b>      | 134        |                 | +        | ╁┈  | -        | $\vdash \vdash$ | $\dashv$ |          | _ |
|          | 35       |           | $\vdash$     | $\vdash$        |          | <del>                                     </del> | $\vdash$                            | Н            |                                     |           |          | 85       | $\vdash$       | $\vdash +$        | $\top$   | +       | 十            | +        | t        | H              | $\vdash$     | 135        | +               | +        | +   | $\vdash$ | $\vdash$        | ┪        | +        | _ |
|          | 36       |           |              | t               | Г        |  | Г                                   | Т            |                                     | $\dashv$  |          | 86       | $\Box$         | $\dashv$          | $\top$   | $\top$  | T            | $T^-$    | $\Box$   | $\vdash$       |              | 136        | $\vdash$        | $\top$   | t   | Н        | $\vdash$        | $\dashv$ | $\top$   | _ |
|          | 37       |           | Γ            | T               |          |  |                                     |              |                                     | $\neg$    |          | 87       |                | $\Box$            | T        | 十       | $\top$       | 1        | П        | П              |              | 137        | $\neg$          | $\top$   | T   |          |                 |          | $\top$   | _ |
|          | 38       |           |              |                 |          |  |                                     |              |                                     |           |          | 88       |                |                   | ╗        |         | Τ            | T        | П        |                |              | 138        |                 | T        | Т   |          |                 | T        | $\top$   | _ |
|          | 39       |           |              |                 |          |  |                                     |              |                                     |           |          | 89       |                |                   |          |         | l            | L        |          |                |              | 139        |                 | Ι        |   |          |                 |          |          | _ |
|          | 40       |           |              |                 |          |  |                                     |              |                                     |           |          | 90       |                | $\Box \Box$       |          |         | $oxed{\Box}$ | oxdot    |          |                |              | 140        |                 |          |   |          |                 |          |          |   |
| <u> </u> | 41       |           |              |                 | $\Box$   | $oxedsymbol{oxedsymbol{oxed}}$                   | $\Box$                              | 匚            | $\Box$                              |           |          | 91       |                | $\Box$            |          | $\perp$ | $\bot$       |          |          |                |              | 141        |                 |          |   |          |                 |          |          | Ξ |
| <u> </u> | 42       |           |              | _               | oxdot    | <u> </u>   | Ш                                   | Щ.           | <u> </u>                            | Ц         | $\vdash$ | 92       | Щ              |                   |          |         | _            | 1        | Ш        | Ш              | L            | 142        |                 |          | L   |          | $\Box$          | $\Box$   | $\bot$   |   |
| <u> </u> | 43       | _         |              | <u> </u>        | ļ        | <u> </u>   | ╙                                   | ⊢            | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ |           | <u></u>  | 93       | Щ              | $\dashv$          | $\bot$   | 4       | $\perp$      | 丰        | Ш        | Щ              | <u> </u>     | 143        | $oxed{oxed}$    | $\perp$  | 1   |          |                 | _        | $\perp$  | _ |
| <u> </u> | 44       |           | _            | $\vdash$        | <b> </b> | <del> </del>                                     | <u> </u>                            | ⊢            | $\vdash$                            | Щ         | <u> </u> | 94       | Ш              | 1                 | $\bot$   | 4-      | $\perp$      | 丨        | Ш        | Щ              | <u> </u>     | 144        |                 | $\perp$  | ┞-  | L        | $\sqcup$        | _        | $\bot$   | _ |
| <u> </u> | 45       |           | _            | <del> </del>    | $\vdash$ | $\vdash$   | $\vdash$                            | $\vdash$     |                                     |           | <u> </u> | 95       | Ш              | +                 | +        | +       | 4            | ┼        | Н        | Щ              | <u></u>      | 145        |                 | +-       | ╀—  | L        | $\dashv$        | 4        |          | _ |
| <u> </u> | 46<br>47 |           | -            | $\vdash$        | $\vdash$ | $\vdash$   | -                                   | -            | $\vdash$                            | $\dashv$  |          | 96       | $\vdash\dashv$ |                   | -        | +       | +            | ╀        | $\vdash$ | $\vdash$       | <b>⊢</b>     | 146        |                 | +        | 1   | _        | $\square$       | 4        | +        | _ |
| $\vdash$ | 47       | _         | ├            | $\vdash$        | $\vdash$ |  | $\vdash$                            | -            | $\vdash$                            | $\dashv$  | $\vdash$ | 97<br>98 | Н              | -                 | +        | +       | ╀            | +        | Н        | $\vdash\vdash$ | <u> </u>     | 147        | $\vdash$        | +        | +-  | <u> </u> |                 |          | +        | _ |
| $\vdash$ | 49       | _         | $\vdash$     | $\vdash$        | $\vdash$ |  | ├┤                                  | $\vdash$     | $\vdash$                            | $\dashv$  | -        | 99       | Н              | $\dashv$          | +        | +       | ╁            | +        | $\vdash$ | $\vdash$       | $\vdash$     | 148<br>149 | +               | +        | ╁   | H        | -               | $\dashv$ | +        |   |
|          | 50       | _         | $\vdash$     | $\vdash$        | $\vdash$ | -  | $\vdash$                            | -            | -                                   | $\dashv$  | -        | 100      | Н              | +                 | +        | +       | +            | +        | Н        | $\vdash$       |              | 150        | +               | +        | $\vdash$  | H        | $\dashv$        | $\dashv$ |          | - |
|          |          |           | Щ            | 1               |          |  | L                                   | L            |                                     |           | $\Box$   | 100      |                |                   |          |         | 1            |          |          |                |              | 130        |                 |          | 1   |          |                 | 1        |          |   |